## Form 2 Chemistry Scheme of Work 2018/ 2019 Term II

Week	Topics/ Objectives	Activities/
(Sessions)	Topics/ Objectives	Explanatory Notes
1-2	Return papers and clarify any	Teacher will address any problems
(3)	misconceptions	encountered by students on any topics.
2-3	Mixtures (continued)	Teacher can demonstrate the formation of
(3)	-Define: solution, solvent, solute,	some mixtures or students can make them
(-)	homogeneous and heterogeneous	at home.
	mixtures, suspension, colloids giving	
	examples	
	- Explain the term saturated, soluble,	
	insoluble, dissolve	
	- List the different types of solutions	
	citing examples	
2.5	(includes: solid/solid; s/l; l/l; l/g; g/g)	Lieu and delike a company for a letter of a company to be
3-5 (E)	<b>Solubility</b> - Define solubility	Use solubility curves (multiple curves on the
(5)	-Describe the effect of temperature on	same graph) Students will be required to interpret
	solubility	solubility curves to identify which salt is
	- Determine temperature or solubility,	more/ less soluble
	using solubility curves	, , , , , , , , , , , , , , , , , , , ,
6	Course Work	
7-9	Atomic Structure	Teachers are expected to teach this topic
(6)	-Define: atom, element, molecule,	despite being done in Form 1 since this is an
	compound	essential foundation topic in Chemistry.
	- Identify the sub-atomic particles; -	
	Compare their position in the atom,	Students are required to know the atomic
	mass and charge (using a table) -Name the first twenty elements of the	numbers but not the mass numbers.
	Periodic table and write their symbols	Complete atomic structures can be done for
	- Learn their atomic #'s	Home- Work and corrected
	-Explain the information the Atomic	The Work and corrected
	Number and Relative Atomic Mass	Recognize the chemical properties remain
	gives	the same for isotopes since chemical
	- Represent the atomic # and mass # of	reactions depend on the arrangement of
	an element (as required by CXC)	electrons which remain the same.
	eg. Mass #	5.140.5
	Atomic#	State the use of <sup>14</sup> C for carbon dating wrt
	- Determine the sub-atomic particles using either Mass= protons + neutrons	isotopes
	or atomic number for protons and	Students, at this level, are not required to
	electrons for neutral atoms)	know the specific uses for specific
	- Represent a general structure of the	isotopes.
	atom (nucleus with p and n and	
	electrons in shells)	Students are Not expected to know the
	- State the maximum # of electrons for	chemical formulae of substances until
	the 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> shell	term III
	- Draw the complete Atomic Structure	Students will not be allowed to use a
	of the first twenty elements, writing their electronic configuration.	Students will not be allowed to use a calculator for determining the M <sub>r</sub> of
	- Define isotopes	substances.
	- Draw the complete atomic structure	
	of isotopes	
	- Determine the Relative Molecular	
	Mass (RMM or M <sub>r</sub> ) given a formula	